

WHAT IS CLAIMED IS:

Sub 371 1. A method for attaching an adhesive tape comprising the steps of:

disposing the adhesive tape having an adhesive surface
5 on a support body with said adhesive surface down;

rolling an attaching roller having adhesive strength on
the other not-adhesive surface of said adhesive tape so that said
adhesive tape is transferred onto said attaching roller and is
come into tight contact therewith; and

10 rolling said attaching roller on a surface of a member
to be attached which is located in a predetermined position so
that said adhesive tape adhered to said attaching roller is
attached onto the surface of said member,

wherein respective adhesive strengths A, B and C are set
15 to have a relation of $A < B < C$, where A designates adhesive strength
between the adhesive surface of said adhesive tape and said support
body, B designates adhesive strength between the not-adhesive
surface of said adhesive tape and said attaching roller, and C
designates adhesive strength between the adhesive surface of said
20 adhesive tape and said member to be attached.

2. A method for attaching an adhesive tape according
to claim 1, wherein said support body is constructed by a conveyor
belt conducted with a reduction treatment reducing adhesivity
25 between the adhesive surface of said adhesive tape and said support

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body.

3. A method for attaching an adhesive tape according to claim 2, further comprising the step of:

5 cutting a roll-like adhesive tape into adhesive tape pieces having predetermined length,

wherein said adhesive tape pieces are disposed one by one on said conveyor belt with their adhesive surfaces down, and said adhesive tape pieces are conveyed by said conveyor belt to a position where said adhesive tape pieces are transferred onto said attaching roller.

4. A device for attaching an adhesive tape comprising:

15 a tape cutting means for cutting a roll-like adhesive tape into adhesive tape pieces;

a tape feeding means including a conveyor belt for conveying said adhesive tape pieces disposed thereon with their adhesive surfaces down so as to be in contact with said conveyor belt;

20 an attaching roller having enough adhesive strength to press not-adhesive surfaces of said adhesive tape pieces arranged on said conveyor belt so that said adhesive tape pieces are transferred to come into tight contact with said attaching roller;

25 and

a robot making said attaching roller movable and rotatable.

5. A device for attaching an adhesive tape according to claim 4, wherein at least surface layer portion of said attaching roller is formed of a silicon rubber layer having a smooth surface.

6. A device for attaching an adhesive tape according to claim 4, wherein a conveyor surface of said conveyor belt is subjected to roughing, and coated with silicon.

7. A device for attaching an adhesive tape according to claim 4, wherein a conveyor surface of said conveyor belt is subjected to embossing finish, and coated with silicon.

8. A device for attaching adhesive tape according to claim 4, further comprising:

a flexible member provided in a support portion of said attaching roller, so as to reduce a pressing force of said attaching roller onto said conveyor belt and a member to be attached.

9. A device for attaching an adhesive tape according to claim 8, wherein said flexible member is constructed by a

